BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Estimate for the Work of Construction of Dry Waste Collection and Sorting Centre at Shakaranagara in Ward No. 08, Kodigehalli Sub Division.

Estimate Cost Rs. 600000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1, No. 5/ Item No. 2.1/ PWD SR 2014-15	Cum							
			1	15.00	15.00	0.20	45.00		
							45.00	144.16	6487.00
	Basic Rate	136.00							
	Area Weightage @ 6%	8.16							
	Total	**144.16**							
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, Page No. 5 / Item No. 2.4/ PWD SR 2014-15	Cum							
			1	46.92	0.60	0.90	25.34		
							25.34	259.70	6580.00
	Basic Rate	245.00							
	Area Weightage @ 6%	14.70							
	Total	**259.70**							
3	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.84 cum and fine aggregates @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. No. 13/ Item No. 4.7/ PWD SR 2014-15	Cum							
	Foundation		1	29.50	0.60	0.15	2.66		
	Flooring		1	5.70	5.70	0.15	4.87		
							7.53	5189.76	39071.00
	Basic Rate	4896.00							

Asst. Engineer

Material T/S

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	293.76							
	Total	**5189.76**							
4	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 PWD SR 2014-15 (Page No. 23 / Item No. 5.6	Cum							
	All round		1	29.50	0.60	0.45	7.97		
							7.97	3765.12	29989.00
	Basic Rate	3552.00							
	Area Weightage @ 6%	213.12							
	Total	**3765.12**							
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 (P.23/I.5.9) PWD SR 2014-15	Cum							
	Centre line		1	29.50	0.45	0.45	5.97		
							5.97	4458.36	26633.00
	Basic Rate	4206.00							
	Area Weightage @ 6%	252.36							
	Total	**4458.36**							
6	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2014-15	Cum							
	RCC Beam		1	29.50	0.30	0.30	2.66		
	Plinth		1	29.50	0.30	0.20	1.77		
	RCC Lintel		1	29.50	0.20	0.20	1.18		
							5.61	5952.96	33366.00
	Basic Rate	5616.00							

Asst. Engineer

Executive Engineer

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	336.96							
	Total	**5952.96**							
7	KSRB 4.9.2:Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2014-15 TMT Bars Fe 500	Tonne							
	90 Kg / Cum		0.90	5.61			**0.504**	76900.88	38758.00
	Basic Rate	72548.00							
	Area Weightage @ 6%	4352.88							
	Total	**76900.88**							
8	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50mm, and lift upto 1.5m, including cost of all labour complete as per specifications, Page No. 6/ Item No. 2.11/ PWD SR 2014-15	Cum							
			1	29.50	0.45	0.50	6.64		
							6.64	69.96	**464.00**
	Basic Rate	66.00							
	Area Weightage @ 6%	3.96							
	Total	**69.96**							
9	KSRB 2.5 : Earthwork excavation(in deposited soil) and filling sides of foundation upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layer by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications. Specification. No. KBS 2.9.9/2.9.10.1/2.1.1, Page No. 6 / Item No. 2.12 / PWD SR 2014-15	Cum							
			1	5.70	5.70	0.50	16.25		
							16.25	232.14	**3771.00**
	Basic Rate	219.00							
	Area Weightage @ 6%	13.14							
	Total	**232.14**							
10	Providing and fabricating structrual steel truss work including 2 coats of enamel paint over a coat of shop paint to design, drawing furnished by the consultant	MT							
	Column		2	6.00		3.00	36.00		
	36.00 x 22.20 Kg/Mtr						799.20		
	Truss		4	175.00			700.00		
							1535.20		
							1.53	90000.00	**137700.00**

Natarasa T/S

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	Providing metacolour sheet roofing including accoustic treatment etc complete as per detail drawing furnished by the consultant	Sqm							
			1	6.50	6.50		42.25		
			4	6.00	2.00		48.00		
							90.25	1200.00	108300.00
12	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 25/ Item No. 5.27/ PWD SR 2014-15	Sqm							
			2	6.10		1.50	18.30		
			2	5.70		1.50	17.10		
							35.40		
	Deductions								
	Door		1	2.50		2.60	6.50		
	Ventilator		4	1.00		0.50	2.00		
							8.50		
							26.90	975.20	**26233.00**
	Basic Rate	920.00							
	Area Weightage @ 6%	55.20							
	Total	**975.20**							
13	KSRB: 7.5 Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & operations complete Including pulling hooks, 4nos handles wit hall fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8m Specification NO. KBS 7.10 / 7.12 Page No. 31/ Item No. 7.5/ PWD SR 2014-15	Sqm							
			1	2.50		2.60	6.50		
							6.50	2820.66	**18334.00**
	Basic Rate	2661.00							
	Area Weightage @ 6%	159.66							
	Total	**2820.66**							

Asst. Engineer

Abstract of T/S

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
14	KARB 7.6 Providing and fixing top covers made out of 20 guage M.S. sheet over m pull and push rolling shutters bent to shape including cost of red lead primer coat of painting, materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8m Specification NO. KBS 7.10 / 7.12 Page No. 32/ Item No. 7.6/ PWD SR SR 2014-15	m							
			3				3.00		
							3.00	645.54	1937.00
	Basic Rate	609.00							
	Area Weightage @ 6%	36.54							
	Total	**645.54**							
15	KSRB 7.9 : Providing and fixing M.S. grill work for windows and ventilators weighing 21 kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 Page No. 32/ Item No. 7.9/ PWD SR 2014-15	Kgs							
			4	2.00		1.00	8.00		
	21 Kg/sqm 21 x 8 = 168 Kgs						168.00		
							168.00	98.58	16561.00
	Basic Rate	93.00							
	Area Weightage @ 6%	5.58							
	Total	**98.58**							
16	KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Page No. 110 / Item No. 15.17 / PWD SR 2014-15 (Out side Wall)	Sqm							
			2	6.10		1.50	18.30		
			2	6.10		1.50	18.30		
							36.60		
	Deductions								
	Door		1	2.50		2.60	6.50		
	Ventilator		4	1.00		0.50	2.00		
							8.50		
							28.10	185.50	5213.00
	Basic Rate	175.00							
	Area Weightage @ 6%	10.50							
	Total	**185.50**							

Asst. Engineer

Manager 7/5

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
17	KSRB 15-16.1: providing and finishing external walls in two coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications PWD SR 2014-15 (P.114 / I.15.53.2) with Primer	Sqm							
			Qty Vide Item No. 16				28.10		
							28.10	79.50	2234.00
	Basic Rate	75.00							
	Area Weightage @ 6%	4.50							
	Total	**79.50**							
18	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregares @ 0.43 cum with superplastisiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2, No. 12/ Item No. 4.5 / PWD SR 2014-15	Cum							
			1	5.70	5.70	0.10	3.25		
							3.25	5744.14	18663.00
	Basic Rate	5419.00							
	Area Weightage @ 6%	325.14							
	Total	**5744.14**							
19	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. 171 / Item No. 22.7 / PWD SR 2014-15	Sqm							
			1	5.70	5.70		32.49		
							32.49	97.20	3158.00
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	**97.20**							
20	First Aid Kit	L/S	1						500.00
21	PVC Sacks	L/S	50						1250.00
22	Office Table and Chair	L/S	2						6000.00
23	Wardrobe	L/S	1						7000.00
24	**Stationary** : books for accounts, paper and pens white boardwithe pens (5 Whole Set + 1 Whilte Board).	L/S							3200.00
25	Fan	L/S	1						1500.00

Asst. Engineer

Contractor M/S

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
26	Weighing Machines - (Specific - 300 Kgs	L/S	1						12000.00
	100 Kgs	L/S	1						8000.00
27	Baler	L/S	1						3000.00
28	Storage Racks :Measurements 17ft*2ft*6fts	L/S	1						10000.00
29	Fire extinguisher	L/S	1						2000.00
30	Sorting table 6ft * 12ft	L/S	1						21000.00
31	Miscesalaneous Charges	L/S							1098.00
								Total	600000.00
	(Rupees Six Lakhs Only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.O.W 2014-15 & Approved Rates.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

D. K. Manjunatha Sudhan
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative approval for Rs. 600000=00
Rs- Six Lakh only
is accorded under
R-~~1111~~0941
registered at Sl. No. 22 Subject
to conditions contained endorsed
No: 103 Dt. 22/12/2014
22/12
AE/JE
EE (BTP. Div.)

Technical Sanction for Rs. 600000=00
Rs- Six Lakh only
R-~~1111~~ 0941
Registered at Sl. No. 47
to conditions endorsed
No: 252 Dt. 22/12/14
22/12
AE/JE
EE (BTP. Div.)

7/5/15

Natural f/s